

Notice of Allowability

Application No.

10/626,360

Applicant(s)

ROYLANCE ET AL.

Examiner

Alfred E. Dudding

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 23 July 2003.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 23 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 7/23/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


Stephen D. Meier
Primary Examiner

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Jolly on 21 September 2004.

2. Cancel claim 22.

Allowable Subject Matter

3. Claims 1 – 21 are allowed.
4. The following is an examiner's statement of reasons for allowance:
 - a. The primary reason for the allowance of claims 1 - 5 is the inclusion of the limitation of a computer readable medium integrated into a removable cartridge for an image forming device, the medium being programmed with a plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets. It is this limitation found in each of the claims, as it is claimed in the combination, that has not been found, taught, or suggested by the prior art of record which makes these claims allowable over the prior art.
 - b. The primary reason for the allowance of claims 6 - 9 is the inclusion of the limitation of a removable cartridge for an image forming device having a memory programmed with a

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plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets.

c. The primary reason for the allowance of claim 10 is the inclusion of the limitation of a removable cartridge for an image forming device comprising a memory formatted to store a state variable reflecting a state of the printing component and programmed with a plurality of image enhancement data sets and data set selection criteria that can be processed with the state variable to select from among the image enhancement data sets.

d. The primary reason for the allowance of claims 11 - 16 is the inclusion of the method step of an image enhancement method, comprising selecting an image enhancement data set from a plurality of image enhancement data sets contained in a memory integrates into a removable cartridge for an image forming device; and implementing an image enhancement technique according to the selected image enhancement data set.

e. The primary reason for the allowance of claims 17 - 21 is the inclusion of the limitation of a computer readable medium having instructions for selecting an image enhancement data set from a plurality of image enhancement data sets contained in a memory integrated into a removable cartridge for an image forming device; and implementing an image enhancement technique identified by the selected image enhancement data set.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

a. Inoue et al. (U.S. 6,275,535 B1) disclose a computer readable medium, Figure 1, element 5 (image memory), Column 4, lines 6 – 18, the medium being programmed with a plurality of image enhancement data sets, Figure 2, elements 13-1 (resolution information), 13-2 (color processing information), and 13-11 (vibration sensor value information) and data set selection criteria for selecting from among the image enhancement techniques, Figure 2, elements 13-15 (color processing parameter information in camera) and element 13-17 (camera recommended printing parameter). Inoue et al. fail to teach the claimed invention of removable cartridge for use with an image forming device.

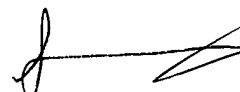
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alfred Dudding whose telephone number is (571) 272-2144. The examiner can normally be reached on Monday-Friday from 7:00 AM to 3:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier, AU 2853, can be reached at (571) 272 - 2149. The fax phone number for this Group is are (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0956.

Alfred Dudding



22 September 2004



Stephen D. Meier
Primary Examiner